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SEQUENCE LISTING

<110> The University of Queensland

<120> EXPRESSION MODULATING SEQUENCES

<130> 2422800/EJH

<140> US

<141> 2001-06-13

<150> US 60/211,159

<151> 2000-06-13

<160> 60

<170> PatentIn version 3.0

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gggacggcca gcuggagguc ugcgugguag agggaacucc agagacugug gaucaccaag      180
acugaacggc ugcuuucgccc cacucuuugg gauguuucuu cuuaaggaag cugaaaaacg      240
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<400> 13

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<210> 14

<211> 27

<212> DNA

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<210> 15

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<212> DNA

<213> primer

<400> 15

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<211> 17

<212> DNA

<213> primer

<400> 16

gaggtgggaa tcctaag

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<210> 17

<211> 28

<212> DNA

<213> primer

<400> 17

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<400> 24

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<210> 25

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<212> DNA

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<212> DNA

<213> primer

<400> 27

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<210> 28

<211> 27

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<210> 29

<211> 27

<212> DNA

<213> primer

<400> 29

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27

<210> 30

<211> 27

<212> DNA

<213> primer

<400> 30

accggtggcg tctcagggaa ggatgag

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<210> 31

<211> 21

<212> DNA

<213> primer

<400> 31

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<210> 32

<211> 21

<212> DNA

- 9 -

<213> primer

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<210> 33

<211> 877

<212> DNA

<213> mouse

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<212> DNA

<213> mouse

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gacttgtgtt ggatcagtta gtccctaaca ttcccttgta catacagaga ctgtggatcc	180
ccaagactga acggctgctt ctgcccactc tttgggatgt ttcttcttaa ggaagctgaa	240

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aaacgttatt gatttccatg accagtttct gagatgaggg ttagaggtac aagggacatg   300
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gagacattag aaactccaga tttttcactt gtgtctttct ctgtatcttc tttttcttcc   240
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gatggctagc tggagggtctg cgttgtagag aggtaacccc aggtgtgtgc ctgcgcgtgg   420
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ggtggggacg ggtgtgtggg aggcaacaga gccactaggg gccaccaggc ttgaaccttt   540
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acggagtcta gctctgtcac ccaggctgga gtgcagtggc accatctcgg ctactgaaa   180
cctccgcctc ccaggttcaa gcgattcttc tgcctcagcc ttccgagtag ctgggattac   240
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tgttggccag gctggctctc aactgtcctc aggtgatcct cccgcctcag cctctcaaag   360
cgttggaatt acaggcgtga gccactgtgc ccggctcagt gatgctcttt tcaactcgaa   420
ttccgtggca gatgtcttag aggggtgggg gataccaggg atgttctgcc caggattctg   480
tgcttgagac tgctgtctga cagtctctat ttccctccacc tttataccta ccttcccttt   540

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ctgcagtgtc cccacaccct cctctgagac gcc 573

<210> 37

<211> 22

<212> DNA

<213> primer

<400> 37

ttgagctcag ttccagccct gg 22

<210> 38

<211> 20

<212> DNA

<213> primer

<400> 38

aaccatggcg tctcagggaa 20

<210> 39

<211> 18

<212> DNA

<213> primer

<400> 39

ggtttcccag tcaccgac 18

<210> 40

<211> 21

<212> DNA

<213> primer

<400> 40

acacaggaaa cagctatgac c 21

<210> 41

<211> 307

<212> RNA

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<213> mouse

<400> 41

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aguuuccagc ccuggaccac gcaucccgag caccgcgccc cgacggaggu cucuuugucc      60
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gggacggcca gcuggagguc ugcgugguag agggaacucc agagacugug gaucaccaag      180
acugaacggc ugcuuucugcc cacucuuugg gauguuucuu cuuaaggaag cugaaaaacg      240
uuauugauuu ccaugaccag uuucugagau gaggguuaga gguccccuca uccuucccug      300
agacgcc                                           307

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<210> 42

<211> 307

<212> RNA

<213> mouse

<400> 42

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aguuucaugc ccuggaccac gcaucccgag caccgcgccc cgacggaggu cucuuugucc      60
gcgccucucc cacauacuag aaucucucc cuuucuugag guugggauga agaagcaguu      120
gggacggcca gcuggagguc ugcgugguag agggaacucc agagacugug gaucaccaag      180
acugaacggc ugcuuucugcc cacucuuugg gauguuucuu cuuaaggaag cugaaaaacg      240
uuauugauuu ccaugaccag uuucugagau gaggguuaga gguccccuca uccuucccug      300
agacgcc                                           307

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<210> 43

<211> 307

<212> RNA

<213> mouse

<400> 43

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gcgccucucc cacauacuag aaucucucc cuuucuugag guugggauga agaagcaguu      120
gggacggcca gcuggagguc ugcgugguag agggaacucc agagacugug gaucaccaag      180
acugaacggc ugcuuucugcc cacucuuugg gauguuucuu cuuaaggaag cugaaaaacg      240
uuauugauuu ccaugaccag uuucugagau gaggguuaga gguccccuca uccuucccug      300
agacgcc                                           307

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<210> 44

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<211> 307

<212> RNA

<213> mouse

<400> 44

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gcgccucucc cacauacuag aaaucucucc cuuucuugag guugggauga agaagcaguu      120
gggacggcca gcuggagguc ugcgugguag agggaacucc agagacugug gaucaccaag      180
acugaacggc ugcucucucc cacucuuugg gauguuucuu cuuaaggaag cugaaaaacg      240
uuauugauuu ccaugaccag uuucugagau gaggguuaga ggucuccuca uccuucccug      300
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<210> 45

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<212> RNA

<213> mouse

<400> 45

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gggacggcca gcuggagguc ugcgugguag agggaacucc agagacugug gaucaccaag      180
acugaacggc ugcucucucc cacucuuugg gauguuucuu cuuaaggaag cugaaaaacg      240
uuauugauuu ccaugaccag uuucugagau gaggguuaga ggucuccuca uccuucccug      300
agacgcc                                          307

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<212> RNA

<213> mouse

<400> 46

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gggacggcca gcuggagguc ugcgugguag agggaacucc agagacugug gaucaccaag      180
acugaacggc ugcucucucc cacucuuugg gauguuucuu cuuaaggaag cugaaaaacg      240
uuauugauuu ccaugaccag uuucugagau gaggguuaga ggucuccuca uccuucccug      300
agacgcc                                          307

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 <213> mouse

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 gggacggcca gcuggagguc ugcgugguag agggaacucc aggucccccuc auccuucccu 180
 gagacgcc 188

<210> 48
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 <212> RNA
 <213> mouse

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 gagacgcc 188

<210> 49
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 <212> RNA
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<400> 49
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 gcgccucucc cacauacuag aaaucucucc cuuucuugag guugggauga agaagcaguu 120
 gggacggcca gcuggagguc ugcgugguag agggaacucc aggucccccuc auccuuccau 180
 gagacgcc 188

<210> 50
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 <212> RNA

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<213> mouse

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<211> 74

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<210> 52

<211> 74

<212> RNA

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<210> 53

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 uucaugcggu uaaguugaag aggcuggagg gauggcuagc uggaugucug cguuguagag 180
 agguaacccc agugucccca caccuccuc ugagacgcc 219

<210> 54

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<212> RNA

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uucaugcggu uaaguugaag aggcuggagg gauggcuagc uggauugucug cguuguagag   180
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uucaugcggu uaaguugaag aggcuggagg gauggcuagc uggauugucug cguuguagag   180
agguaacccc agugucccca caccuccuc  ugagacgcc   219

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<210> 57

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<212> RNA

<213> human

<400> 57

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cuccucugag acgcc   75

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<210> 58

<211> 75

<212> RNA

<213> human

<400> 58

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<213> mouse

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<223> n = any nucleotide

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<221> misc_feature

<222> (1812)..(1812)

<223> n = any nucleotide

<220>

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<223> n = any nucleotide

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ggttcttctt	tccactccac	tatagggacc	ccactttcca	atagtgcctt	ttcccccccc	1740
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gaatccaagg	tgtcctctcc	gcgcacacct	tatttacaca	ggcacttctt	tctcttagtt	1920
tctggttttt	tctttcccac	tccactatag	ggaccccaact	ttccaatagt	gcctctcccc	1980

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